



KONICA MINOLTA



# SMART MANUFACTURING SAFETY SYSTEMS

SECURITY - QUALITY - HEALTH

Giving Shape to Ideas



## PROTECTING THE HEART OF THE UK MANUFACTURING INDUSTRY

### OPTIMISE FOR SECURITY THE KEY TO ELIMINATING WASTED EFFORT

The UK manufacturing sector is overseen by a range of HSE legislation that works on paper but can be hard to enforce on scale when on the ground. Poor work practices and seemingly innocuous bad habits — whether intentional or accidental — can quickly impact the culture and efficiency of any site.

### A TIMELY REMINDER

Employing an individual or dedicated team to watch the manufacturing team can quickly create an unbalanced culture. Even with the best of intentions, the idea that everyone is being scrutinised unfairly quickly appears. No pair of human eyes can be expected to spot everything either, resulting in a part-time solution that won't cover everything.

A timely reminder that occurs automatically is much more useful when you want to:

- **Ensure Uniformity** in terms of how key processes and tasks are completed
- **Promote Full Buy In** across everyone from senior members to new hires
- **Be Fully Proactive** so that minor issues never turn into significant events

### WHAT DOES THE FUTURE LOOK LIKE?

UK manufacturing can become more secure by taking a smarter approach to workforce education and redirection. The right solution has to be unobtrusive, able to see everything, and capable of making timely interventions so learning opportunities are never missed.

## OPTIMISE FOR QUALITY THE KEY TO PROTECTING YOUR BRAND

UK manufacturing is renowned for its attention to detail and high standards. It's essential that small deviations in workplace practice never negatively impact the standing of your business. The problem is that things are changing faster than they have in decades.

Quality relies on standardisation, but there's a misconception that standardisation has to mean a rigid set of time-consuming checks and balances. What's needed is a smart way to fully align workplace best practices with the end product.

**“43% OF UK CONSUMERS HAVE VOICED CONCERN ABOUT A DROP IN UK STANDARDS RESULTING FROM NEW REGULATIONS AND TRADE DEALS. THE INCREASED COST OF LIVING PLACES ADDITIONAL STRESS ON THE BALANCE OF TRUST.”**

Source: <https://redtractor.org.uk/2022/07/20/consumer-trust-in-uk-food-dropping-as-cost-of-living-bites/>

## MAKING QUALITY THE FOCUS

Manual spot checks for product quality and processes being followed will always have a place; it's just that they can no longer be the whole picture. Quality can only be guaranteed with an approach that is:

- **Employee-Focused** so you can see that everyone is working the right way
- **Material-Focused** so hazards are readily identified and worked around in real time
- **Product-Focused** to ensure that the end result reflects the initial product brief

## WHAT DOES THE FUTURE LOOK LIKE?

UK manufacturing businesses are governed by some of the strictest H&S regulations in the world. To safeguard quality while reducing the cost of manufacture, a smarter approach to monitoring and analysis is needed. The right solution is one that optimises the manufacturing process without slowing it down.







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## OPTIMISE FOR HEALTH THE KEY TO A SAFE, HAPPY WORKFORCE

The UK manufacturing sector is increasingly moving towards highly specialised, complex processes. A wide range of tooling, materials, and process steps all in close proximity with one another create new potential risks for individual workers on the ground.

Workplace accidents do so much more than cost a business money. Employee morale, productivity, and efficiency can all be negatively impacted if those on the ground don't feel the culture is right.

**“THE 2021/22 HSE REPORT ESTIMATED WORKPLACE INJURIES AND ILLNESSES COST THE UK ECONOMY £20.7 BILLION A YEAR”**

Source: <https://www.firstmats.co.uk/blogs/buying-guides/cost-workplace-accidents-injuries-health-statistics-summary>



## FASTER, CHEAPER, BETTER

No human pair of eyes can be expected to check every single fine detail on the manufacturing line. The volume, complexity, and scale all make this an impossible task. The problem is that spot checks can easily miss small batches of defects which later cause significant reputation damage. The right system needs to be:

- Intelligently Automated so that human error is completely eliminated
- Fully Connected so it continually feeds back information to senior operatives
- Readily Adaptable to the changing nature of the manufacturing process

## WHAT DOES THE FUTURE LOOK LIKE?

UK manufacturing businesses need smart systems that eliminate human error and speed up manual quality checks.

Konica Minolta specialises in delivering Visual Quality Inspection Systems tailored to the specific needs of the UK manufacturing sector.

## EFFICIENCY - SCALABILITY - REPUTATION



**LET'S TALK**

**Konica Minolta Business Solutions**

Miles Gray Road, Basildon, Essex, SS14 3AR

[www.konicaminolta.co.uk](http://www.konicaminolta.co.uk)

[info@konicaminolta.co.uk](mailto:info@konicaminolta.co.uk)

0800 833864

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